

## Abstract of the Disclosure

An array substrate for a flat-panel display device and manufacturing method thereof, enabling a reliable repairing  
5 of a wire breakage within a pixel area, irrespective of nature  
of the wire breakage, especially irrespective of nature,  
dimensions and shape of a foreign matter causing the wire  
breakage. For example, when the wire breakage due to foreign  
matter is formed on a signal line, the foreign matter is removed  
10 and then a bypass wire detouring the wire breakage is formed  
by laser CVD technique. On beforehand, a rectangular cutout  
is formed on a neighboring pixel electrode by laser irradiation;  
and contact holes for exposing upper faces of two wire parts  
of the signal line as separated by the wire breakage. After  
15 forming angled-C shaped bypass wire along edges of the cutout  
on the pixel electrode, a light insulator film is formed at  
inside of the bypass wire by laser CVD technique.